ere vide facilities F	TEST I	BORING REF			05-830 1L-176	- · · ·
	SERVICE (					
	TWO PENNSYLVAN	A PLAZA, NEW	YORK, N.Y.	10001		
			· t ·			

To Straubing, Rubin & Kenes	Date	October 9.
Address 15607 Catalina Court - Orland Park, 11	L 60462	
WE HAVE COMPLETED THE FOLLOWING BORINGS	FOR YOU AT117th_and_	South Stony Island
WITH RESULTS SHOWN BELOW. IN ACCORDANCE WITH	YOUR INSTRUCTIONS, WE HA	VE SENT LABELLED SAMPLES
THE STRATA ENCOUNTERED TO	ADDRESS	***
VIA UNDER DA RAYMOND INTERNATIONAL INC. LOCATION PLAN	TE OFRAYN $SCALE 1' = 40'$	MOND CONCRETE PILE DIVISI
	· -	PROCESS P
US EPA RECORDS CENTER REGION 5		VESSELS
US EPA RECORDS CENTER TO THE CONTROL OF THE CONTROL		8
	7	
462600	+	<b>3</b>
	6	
9	ي ا	
29	24	
	102 E	- CONTO
5 7	DRUM HAMDLING BUILDING	RECEIVED
	В	DEC 08 1983
2		E.P.A. — D.L.P.C.
		STATE OF ILLINOIS
	<b>A</b>	5
4	TANK FAA	cw
<b>◆</b>		
Compass Points	<u> </u>	
$\mathcal{K}$		
This boring report p	stenared in the	By
	OFFICE of the	Job No CB-277.07-C
Service Contracts		Sheet 1 of 6

# RAYMOND INTERNATIONAL INC.

SERVICE CONTRACTS DIVISION
BORING DEPARTMENT

		land - Chicag		
borings are plotted to a scale o	1 1 = <u>8</u> 1t.	usinggroup	d surface	as a fixed d
No1	N 0.0		No2	
Stone & Slag (fill) Dense slag & stone fill some sands & gray clay	0.6		Med brown & gray slag crushed stone sand som gray clay (fill)	e 4-6-6
Med stone bricks & slag	5-6-6		Loose gray clayey silt some crushed stone	1-3-3
some muck & sands  Med gray very silty clay	4 <del>-11-9</del> 7.3 8.5		Med black silty muck Dense black silty muck	12-20-1
Dense black sandy silt	5-8-9 11.	0 1	(fill) traces of glass	7-12-20
Med grayish black silt	1=2=3 14.	51	Loose black silty muck	1-3-2
Med gray very silty clay trace of organic	2-3-4		Med gray silty clay	1-2-3
		•	med gray silty clay	
Stiff gray silty clay	3-6-8		Med stiff gray clay little fine-coarse	3-4-6
				1, (10
Ground surface to 8.0' Water level 9.0' below upon completion.		g •	Very stiff gray silty clay	4-6-10
Water level 7.0' below to hour upon completion.	r	e		7-11-16
Start bentonite slurry	at 10.0'.		Dense gray clayey silt	12-14-1
		·		
	RECE	VED	Very stiff gray silty clay some fine-med shale	9-9-13
e.	DEC 08		Very stiff hard gray silty clay some fine	9-16-17
	E.P.A. — I STATE OF	DLLPIG. ILLINGIS	Ground surface to 8.0' Water level 7.3' below upon completion.	
essifications are made from visual instance.  Iter Levels (WL). Figure indicates  Water levels indicated are the  Porosity of the soil strata, va	time of reading ( ose observed when	(hours) after comp borings were ma	thereof.  Total Footage  pletion of boring.  ade, or as noted.  Foreman J. 1	Wandersee

changes in these levels.

pipe six inches

Figures in right hand column indicate number of blows required to drive 2" O.D. sampling

using a 140 lb, weight falling 30 inches.

### TEST BORING REPORT

### RAYMOND INTERNATION

SERVICE CONTRACTS DIVISION

cation of Borings 117th	C + 11 O ?				
borings are plotted to a scale o	11 = _0	1t. usii	ng ground s	urrace	_as a fixed
No²		No		No4_	
	<u> </u>	0.0'		Med brown & yellow woo	اهر
Slag		}		slag & stone fill	15-13-11
	1-1-18	3.0'	• .	Med black sand cynders	5-8-15
				slag & bricks loose	
Med dark gray silt					2-1-18
	32-21-18				1-8-12
(oily)	12-21-10				1-0-12
			•		3-4-2
	15-25-35			N 3 3 3 4 3 4 3 5	1-3-4
	1152757	15.5	•	Med black silt	
	·				
, ,	4-5-8				3-4-7
Stiff gray silty clay	-				3-9-7
little fine gravel				Med stiff gray silty clay little fine-med	
	ST-5 24"	·		gravel	3-4-5
	7.9	(* ,		8	1-9-7
	5-9-12	28.5'			 
	J- J- 12				1-12-16
Med gray clayey silt				Very stiff gray silty	
little fine gravel	0 10 00			clay some fine-med	6-10-12
	8-13-20		. •	gravel	111111111111111111111111111111111111111
				1	į
	13-19-22	40.0'		·	1,, 22
	1				116-20-2
Ground surface to 8.0' water level 1.0' below a				Ground surface to 8.0'	
upon completion.	STOUNG SU			Water level 3.0' below upon completion.	ground s
Water level 1.5' below g	ground sui	rface		Water level 4.5' below	ground s
k hour upon completion.				hour upon completion	
				Ball	السالا
•					A A FRAN
				DEC	08 1993
•				· · · · · · · · · · · · · · · · · · ·	- D.J.P.C
				STATE	OF ILLING
			•	thereof. Total Footage	

Classifications by Foreman

Job No. \_\_CB-27707-C

# RAYMOND INTERNATIONAL INC.

SERVICE CONTRACTS DIVISION
BORING DEPARTMENT

cation of Borings 117th & borings are plotted to a scale o					as a fixed da
No5		No		No6	as a fixed da
		8:8:		140	· · ·
Brown & gray sand clay( & gravel (fill)	<del>                                     </del>	0.6'	Crushed	slag	
Gray slag (fill)	ļ	3.0'	Dense bla	ck ash some	
Med black silt some	19-14-12		1	bble (oily)	19-50-31
slay cynders & rubble					
Dense black silt and or		7.0'	<b></b>		
ash some rubble (fill)	32-60-83		Dense gra	y silt (oily)	19 21 26
	32-60-63		Dense gra	, 5112 (011),	10-71-70
		11.5'		<del></del>	
Med gray slag (fill)	7-5-5				5-6-9
			Stiff ora	y silty clay	7-0-9
		18.0'		fine gravel	
	6-10-10	10.0		Ū	
1			1		3-4-7
			1		
	5-8-10	·			4-7-12
Very stiff gray silty	12=0=10-1	•	Vorm stiff	f gray silty	4-7-12
clay little trace of	}	4.1	clay trace		
fine gravel & shale	10-13-15	•	gravel		
	10-13-13			•	10-12-15
Dense gray clayey silt	<del> </del>	32.01		•	- 1
bense gray crayey sire	15-29-37		1		18-20-25
		36.0'	Hard gray	clayey silt	18-20-25
Hard gray silty clay	1 1				
little fine-med gravel	1, 15 19		Hard gray	silty clay	13-15-18
,	114-15-18	• •	trace of	fine-med /	
Ground surface to 8.0' water level 3.0' below			Cround su	rface to 8.0'	used 5" c
upon completion.			1	el 4.5' below	•
Water level 4.4' below g	ground su	rface	upon comp		.
t hour upon completion.	į			RECEIVI	
	•				
	:			<b>8</b> 50 00 666	(A-
<u>.</u>	•		•	DEC 08 199	3 <b>3</b>
			1	E.P.A D.L.	P.C.
		•		STATE OF MAR	
assifications are made from visual ins	spection of sa	mples and are our opinion th	ereof.	Total Footage8	30.01
ter Levels (WL). Figure indicates	time of rea	iding (hours) after complet	ion of boring.	Foreman J. W	
Water levels indicated are the					
Porosity of the soil strata, va changes in these levels.	MACIONS OF T	annan, sice topography, et	ic., may cause	Classifications by	
gures in right hand column indicate	e number of		O.D. sampling	Job No. <u>CB-277</u>	07-C
	* 4 0 11	sinhe falling 20 imphas			-

## RAYMOND INTERNATIONAL INC.

SERVICE CONTRACTS DIVISION BORING DEPARTMENT

borings are plotted to a scale of	of 1"=8 ft. usin	g ground surface	<del> </del>	as a fixed
No	No		No	<del></del>
	0.0'			
			<del>.</del>	.*
	17-18-22			
Med slag ash & cynders			-	•
& rubble fill	4-4-7			
	4-4-1		· · ·	
			• .	
**	1-3-5 14.0'	·		
Stiff gray silty clay	2-4-6			
trace of fine gravel		·.		
•	3-5-8			
•	1=3=0	•		
	28.5'	· •		
	7-15-19 28.3			
Dense gray clayey silt				
	14-16-22	_		
Very stiff gray silty	38.0'			
clay little fine grave	9-11-13 40.0'			
Ground surface to 8.0'	used 5" cooles		·[라마스타]	VEN
Water level 4.0' below	ground surface		RECE	المساسك الا
upon completion.	around autori	•	DEC OR	1002

DEC 08 (983) E.P.A. — D.L.P.G. STATE OF BLUBLIS

Classifications are made from visual inspection of samples and are our opinion thereof.

Water Levels (WL). Figure indicates time of reading (hours) after completion of boring.

Water levels indicated are those observed when borings were made, or as noted.

Porosity of the soil strata, variations of rainfall, site topography, etc., may cause changes in these levels.

A hour upon completion.

Figures in right hand column indicate number of blows required to drive 2" O.D. sampling pipe Six inches using a 140 lb. weight falling 30 inches.

Total Footage 40.0'	
Total rootage _40.0	_
Foreman J. Wandersee	
Classifications by	
Job No. <u>CB-27707-C</u>	
Sheet 5 of 6	

### RAYMOND INTERNATIONAL INC.

SERVICE CONTRACTS DIVISION
BORING DEPARTMENT

orings are plotted to a scale	of $1'' = 8$	_ ft. using	g ground s	surface as a fixed
No8		No	· · · · · · · · · · · · · · · · · · ·	No
Lime	20-11-7	2.0'		Dense gray slayey silt 12-20-2 some fine-med sand & gravel some fine shale Dense gray clayey silt 30-56-3
Dense black silt ash slag & rubble (oily)	5-16-22			Hard gray silty clay little fine-med gravel 12-20-2
	3-5-5	16.0'		Ground surface to 7.0' used 5' Water level 1.0' below ground upon completion. Water level 4.5' below ground
Stiff gray silty clay little fine gravel shale	ST-4 20"			4 Hour upon compleiton. Pushing rock at 25.0'.
	6-7-7	 27.0'		
Dense gray clayey silt	13-15-20	: /		
	22-23-28			
lard gray silty clay	10-15-18	38.0'		
little fine shale & gravel	11-12-27	/.		RECEIVED  OEC 08 1983
·		49.5'		E.P.A. — D.I.P.G.

Classifications are made from visual inspection of samples and are our opinion thereof.

Water Levels (WL). Figure indicates time of reading (hours) after completion of boring.

Water levels indicated are those observed when borings were made, or as noted.

Porosity of the soil strata, variations of rainfall, site topography, etc., may cause changes in these levels.

Figures in right hand column indicate number of blows required to drive 2" O.D. sampling pipe six inches using a 140 lb. weight falling 30 inches.

Total Footage	60.0'
	Wandersee
	y Foreman
-	: <sub>B-27707-</sub> C
Sheet6	_ of